

OverDrive
automated production control system



Live Production Made Easy!

The pressure to **produce more with less** has never been greater. Consistent, clean productions, centralized control of multiple on-air devices, effective management of scripted and unscripted events while streamlining workflow are key requirements for today's productions. OverDrive® delivers these benefits and more, simplifying live production control with an intuitive and powerful user interface.



*More! Productions.
More! Consistency.*

OverDrive® is an award winning, Ross designed automated production control system. It manages all of the user selected devices during a production - extending the reach of the technical director to include control of video servers, audio mixers, robotic cameras, character generators and more. The centralized control offered by OverDrive® means that a more sophisticated production can be produced without increasing staffing levels. With OverDrive®, productions are more consistent and less staff intervention is required to execute a clean production.



THE KEY TO OVERDRIVE® IS THE TIGHT INTEGRATION TO THE ROSS PRODUCTION SWITCHER FAMILY.

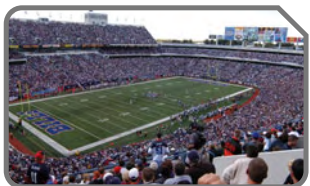
The interfaces to audio mixers, video servers and robotic cameras are connected through the switcher enabling a flexible, integrated production system. The switcher has direct control over these devices at all times, allowing for manual control even during semi or fully automated OverDrive® productions.

Leading the World in Production Control

Ross OverDrive® delivers consistency and efficiency to a variety of live production environments. Whatever the unique demands of your production, there is an OverDrive® solution that is designed to meet your needs.



NEWS



SPORTS



IMAG LIVE EVENTS



WORSHIP



TALK SHOWS

NEWS

OverDriveNews™ enables a consistent newscast with fewer staff. It supports a MOS protocol LiveLink™ to the newsroom system, connecting straight into the NRCS rundown. LiveLink™ allows on-the-fly changes to the rundown to flow seamlessly into the production.

SPORTS

OverDriveSports™ gets things on the big screen when you want them. Sports stadiums can benefit from the quick select macros within OverDrive® to play a complex multi-device timeline when a significant on-field event happens.

IMAG LIVE EVENTS

Live events need consistency. OverDriveStageManager™ will help your crew deliver a great show night after night.

WORSHIP

House of Worship productions really benefit from OverDriveLive™. The intuitive touch screen interface allows your full-time or volunteer staff to easily run a clean production, every time.

TALK SHOWS

Unscripted talk shows are often ideal candidates for an OverDrive® system. Running a simple show is a one crew operation.



Key OverDrive® Benefits

- Enables automated control of user selected live production devices such as video servers, CGs, and robotic cameras
- Delivers a consistent, repeatable and error-free production
- Accommodates live breaking events and changes 'on the fly'
- Offers an intuitive touch screen GUI interface – enabling control of all devices from one location
- Allows for manual, semi-automated or fully automated productions from the same control room, with the same production equipment
- Protects your current production investment – OverDrive® works with a wider variety of external devices than any other system
- Provides a MOS LiveLink™ to your NRCS – ensures coincident rundowns and provides last second updates to on-air material
- Presents an evolutionary approach to automated live production – you choose the equipment, you choose the show format, you choose the level of automation
- Allows for the optimization of staff in your facility to best match your production and meet your budgetary requirements



OverDrive® News Applications

OVERDRIVE® PROVIDES A REAL-TIME MOS LINK BETWEEN YOUR NEWSROOM EDITORIAL SYSTEM AND OTHER PRODUCTION DEVICES IN YOUR CONTROL ROOM INCLUDING THE PRODUCTION SWITCHER, AUDIO MIXER, ROBOTIC CAMERAS, CGs, VIDEO SERVERS AND MORE.

Newsroom editorial systems such as Associated Press' ENPS, Avid's iNEWS, and AutoCue QSeries have MOS protocol integration capabilities. OverDrive® has taken advantage of this protocol in a unique way, with easy advanced show preparation, allowing you to build in the production elements you want ahead of time. The MOS LiveLink™ between your NRCS and OverDrive® allows coincident rundowns and the ability for last second changes to be taken cleanly to air.



Newsroom Workflow

1 PREPARE

Using the OverDrive® NRCS Active-X plug-in, show templates are inserted into each story. Each story can contain multiple OverDrive® elements per shot.

2 GO TO AIR

When the rundown is initialized in the newsroom system, OverDrive® instantly receives all of the information related to the show and is immediately ready to go to air. Rundown errors are identified by OverDrive®.

3 MAKE CHANGES ON THE FLY

NRCS rundown changes are automatically updated in OverDrive®, ensuring that OverDrive® and the rest of your production devices are always in sync. Errors in the rundown are easily resolved before the shot is taken to air.

4 HANDLE UNSCRIPTED EVENTS

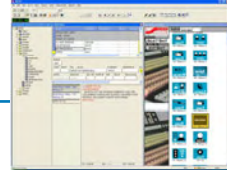
OverDrive® handles breaking news and unscripted events, easily allowing a last second change in your production to occur while maintaining complete control. Get what you want. On the air. Now.

Prepare / Publish Rundown
Select, edit, and insert OverDrive® template into the NRCS rundown.

ENPS Desktop



iNEWS Desktop

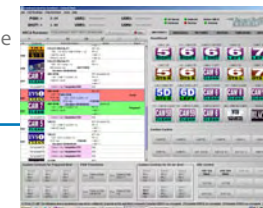


QSERIES Desktop

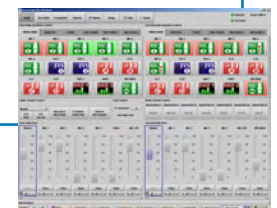


NRCS LiveLink to OverDrive
OverDrive® displays the NRCS rundown and controls all of the devices associated with the production.

RundownControl Display



DirectControl Display



Device Control

OVERDRIVE, FOR FLEXIBLE DEVICE CONTROL

OverDrive® combines a traditional manual approach to control room design with automated direct control over the devices you select. This offers a tailored system, enabling you to find exactly the right level of automated versus manual control for your production. As most control rooms are used for many different productions, OverDrive® enables a less complex show to be run by a single person, while allowing more complex productions to use a larger crew with selected OverDrive® control.

OPEN INDUSTRY STANDARDS

OverDrive® makes use of open industry standards wherever possible for interfacing to devices. These include the MOS protocol to connect to your newsroom system. MIDI for audio mixers, VDCP for video servers and Sony BVW-75 control for VTRs and DDRs. GPI control of devices is also available.

> Device Control

SERVER >	Video server control using VDCP protocol allows quick access to your media. Instantly pick clips by name and insert them into the rundown. A MOS server workflow is available as an option.
AUDIO MIXER >	Audio Follow Video or Split Audio control of audio mixers through an intuitive DirectControl GUI.
ROBOTIC CAMERA >	Direct control of robotic cameras with the DirectCamera™ GUI. Provides manual or automatic selection of position, zoom, focus or iris for popular cameras.
TELEPROMPTER >	Display teleprompter text in the RundownControl GUI.
CG / STILL STORE >	Pick CG / Still Store pages by template name or number and quickly insert them into the rundown. The OverDrive® MOS interface to popular CGs greatly enhances the workflow.
ROUTER >	Quickly set router level and source for the selected destination on the Synergy. Multiple channel control is easy.
DIGICART >	Insert audio effects directly into the rundown or associate your favorite effects with QuickRecall buttons.
DVE >	Easily incorporate external or internal DVE effects into the rundown or tie to QuickRecall templates, for selection at any time.

sideCar™

sideCar™ is a flexible, soft-button compact control panel, that connects directly to any OverDrive® remote client PC offering unlimited operational design flexibility. Multiple sideCar™ systems can be connected to a networked OverDrive® configuration - allowing control of media layout, robotics and audio levels from different locations.



sideCar™ is the ideal control interface to your OverDrive® Automated Production Control System. Please contact your local Ross representative for additional information.

sideCar™ combines the following 3 key functional areas into one powerful control surface.

sideControl

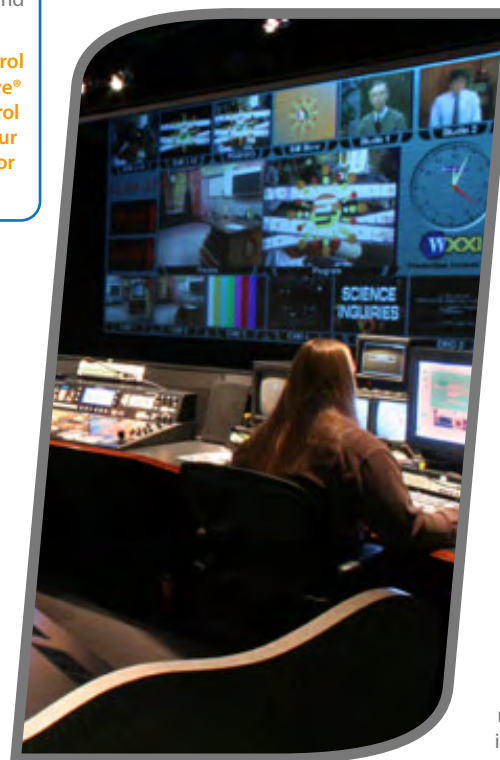
The sideControl module offers 24 multi-color LCD buttons that can be configured by the user in several different modes replicating features found in the OverDrive® GUI. With sideControl, the operator can easily manage rundowns, CustomControls, QuickRecalls and external production devices while bringing late breaking stories and 'on-the-fly' events to air quickly and error-free.

sideRobo

The sideRobo module allows direct manual control of selected camera robotics and video servers. Camera control allows the operator to quickly set lens functions such as Focus, and Iris as well as PTZ positioning (Pan, Tilt, Zoom). By twisting the joystick, control of selected server channels is enabled, allowing the operator to quickly verify clip status.

sideMix8

The sideMix8 module includes 8 flying faders with mnemonic display for direct control of program audio. The 8 faders represent the program audio for the current on-air shot. Additional features such as mute, default level, and lock channel are available.



RapidRestore

RapidRestore™ is a software tool used for archiving and restoring your OverDrive® settings and rundowns. The system is easily configured with user-defined target directories located anywhere on your network, allowing quick archiving and retrieval of selected settings and files. RapidRestore™ is the perfect tool for managing your OverDrive® environment; allowing for fast saves of current configurations and rundowns, quick recalls of pre-determined configurations and rundowns and painless recovery from data loss.

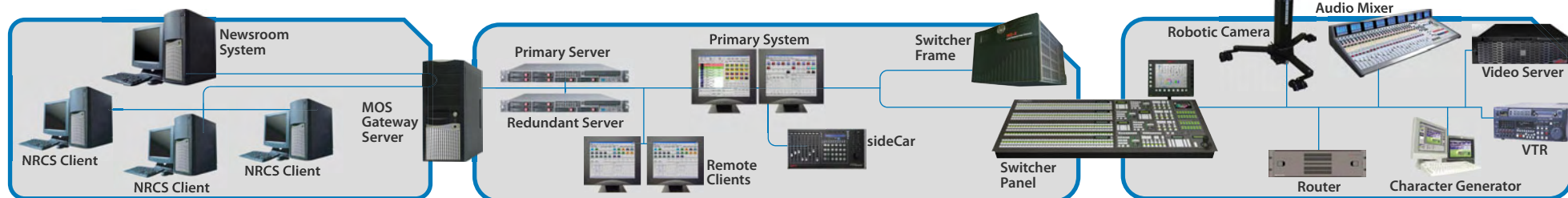


RapidSwitch



RapidSwitch accommodates quick system changeover to the redundant OverDrive® server in the event of a system malfunction. RapidSwitch reduces the risk of production interruptions and permits the faulty server to be taken off-line and repaired. RapidSwitch is included with the redundant OverDrive® SD / MD-X server options.

OverDrive® System Layout



- Rundown Control of production elements
- Easily manage unscripted events
- Dynamic Custom Control Macros
- Assignable transitions
- On-the-Fly Quick Recalls

- User programmable up/down count timer
- Server clip time
- Time of day
- PGM and Shot timers

- Displays rundown events
- Continuous live updates from NRCS
- Highlights prepared shots and on-air events
- Quickly jump to any story in the rundown
- Advance warning of missing clips or out of position devices

- User selectable transitions
- Dynamic custom controls

- Monitors OverDrive® system activity
- Provides status information from switcher
- Allows error message tracking

- Monitor system performance

- Organize Quick Recalls to compliment your workflow

- Enables manual selection of shots
- User definable QuickRecall keys
- User definable macros for external device control & timeline initiation
- Unique Picon shot selection
- View teleprompter text from NRCS

- User defined Custom Controls
- Dynamic selection by QuickRecall tab

- Allows manual and automated insertion of bugs, animations, etc.
- User selectable transitions
- Link / Latch key to rundown transition



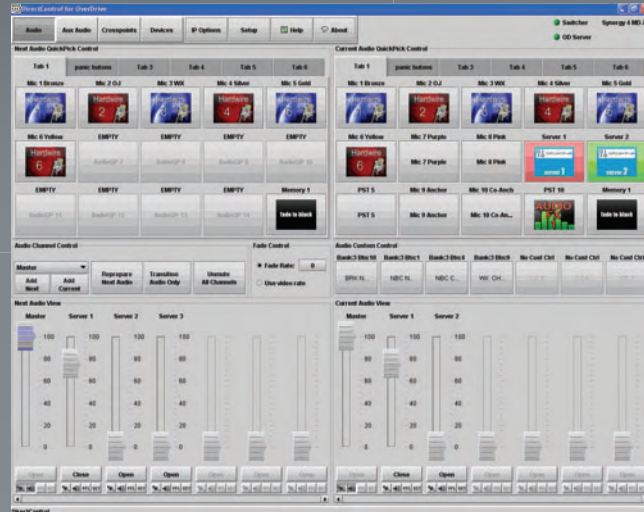


DirectControl Display

Direct external device control • Preview of device status

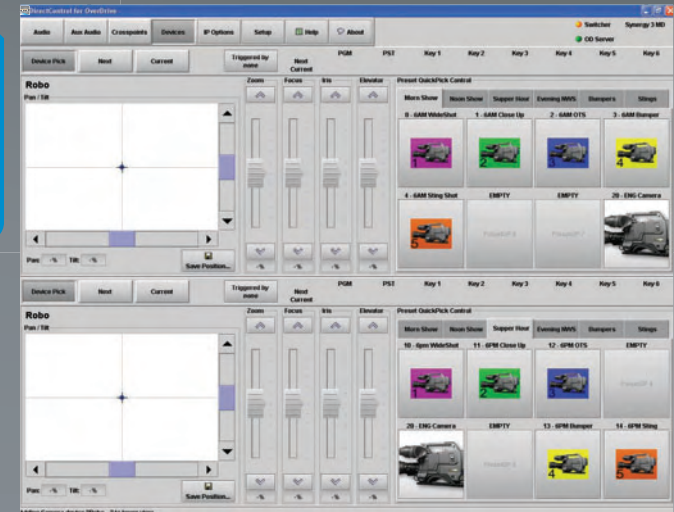
Audio Control Display

- Direct control of current & next shot audio levels



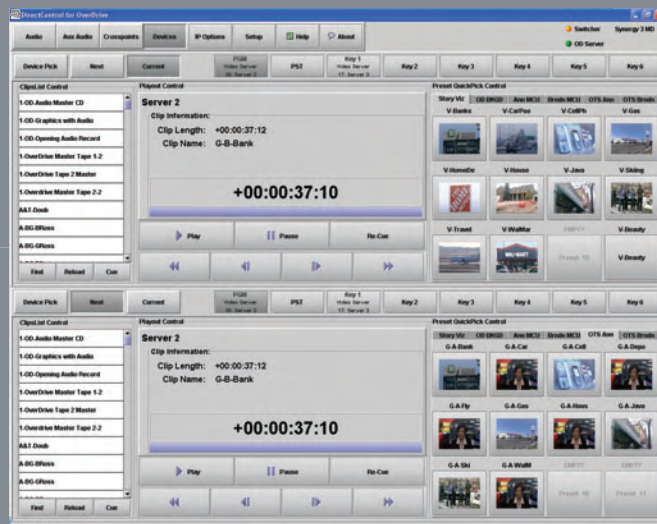
Camera GUI Control Display

- Quickly control multiple robotic cameras
- Store preset configurations for QuickRecall
- Associate shots with OverDrive® rundown



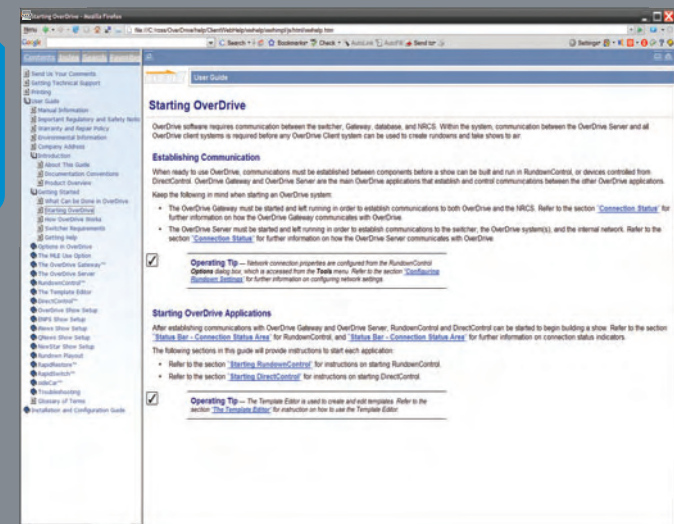
Video Server Display

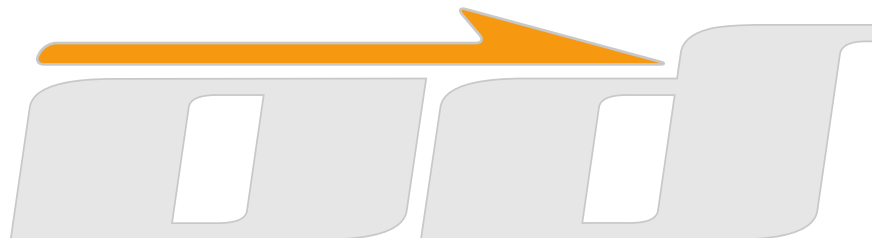
- Quickly access & play video server clips
- Preview clips before committing to air



Online Help System

- Full on-line access to User Manual
- Full on-line access to Installation / Configuration Guide
- Quick text search
- User selectable favorites





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OverDrive Care

Ross Video has a complete range of technical services available to ensure that your OverDrive® installation is a success.

Operational Training is available either at Ross headquarters or on-site at your location. Experienced Ross operators will teach your staff to get the most out of your new system, and enhance your productions.

Commissioning is a service to help get your OverDrive® and Vision or Synergy properly configured and installed. This service is performed by factory trained Ross technical staff.

Technical Training can be provided at Ross Video or on-site at your location. Technical training will teach your engineering staff the technical details of the system you have purchased. Signal flow, system configuration and routine maintenance procedures are some of the topics covered.

OverDrive® comes standard with a 1 year comprehensive warranty. **Extended Warranties** on the Vision or Synergy production switcher are available for an annual fee.

Technical advice is available by telephone, fax or email to Ross Video - **free for the life of your system.**

www.rossvideo.com


Live Production Technology™